

#### ABSTRACT

It is to provide a honeycomb structural body having an excellent durability, which is large in the catching amount of particulates per unit volume and does not cause uneven accumulation of ash and occurrence of cracks or the like even in use for a long period of time, and there is proposed a honeycomb structural body obtained by assembling one or plural porous ceramic members in which two kinds of through-holes consisting of a group of large volume through-holes and a group of small volume through-holes are arranged side by side in the longitudinal direction through partitions and either one ends of these through-holes are plugged, wherein the ceramic member is made of silicon-ceramic composite material consisting of ceramic and silicon.